

EMB-LN9T Rev.B

Embedded Motherboard With Onboard Intel® Atom™ N455/D510

Launched in Q3

Features

- Onboard Intel® Atom™ N455/D510
- Intel Atom™ D525 /N455 Processor + ICH8M
- 204-pin Dual-Channel DDR3 800 MHz SODIMM x 2, Up to 4 GB
- Integrated Graphic Supports 18-bit LVDS Panel, Shared Memory Up to 384 MB With DVMT4.0
- Gigabit Ethernet x 2
- SATA 3.0 Gb/s x 2
- USB 2.0 x 8, COM x 10
- PCI x 1, Mini-PCI x 1 , Mini-Card x 1
- TPM1.2 is Supported (Optional)



Specifications

System	
Form Factor	Mini-ITX motherboard
Processor	Onboard Intel® Atom™ N455/D510
System Memory	204-pin Dual-Channel DDR3 800 MHz SODIMM x 2, up to 4GB
Chipset	Intel® Atom™ N455/D510 + ICH8M
Ethernet	10/100/1000Base-TX, RJ-45 x 2
Audio	VIA HD VT-1708B
BIOS	AMI Plug & Play BIOS – 4 MB ROM
I/O Chip	W83627UHG
Storage	SATA 3.0 Gb/s x 2
SSD	CompactFlash™ Type II socket x 1
DIO	8-bit Programmable
Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
H/W Status Monitor	Monitoring system temperature, voltage, and cooling fan status
Expansion Interface	PCI x 1, Mini-PCI x 1 , Mini-card x 1
Power Requirement	ATX
Dimension (W x H x D)	6.7" x 6.7" (170mm x 170mm)
Gross Weight	1.32 lb (0.6Kg)
Operating Temperature	32°F~140°F (0°C~60°C)
Storage Temperature	-4°F~158°F (-20°C~70°C)
Operating Humidity	5% ~ 95% relative humidity, non-condensing
MTBF (Hours)	70,000
Display	
Chipset	Intel® Atom™ N455/D510 + ICH8M
Graphic Engine	Onboard Intel® Atom™ N455/D510
Resolution	Up to 2048x1536 @ 60 Hz for CRT Up to 1366 x 768 @ 60 Hz for LCD
Output Interface	DB-15 x 1, DVI-D x1, HDMI x 1, LVDS x 1
I/O	
Serial Port	RS-232 x 9 (box header x 5) RS-232/422/485 x 1, supports 5/12V on the 9th (on I/O)
KB & Mouse	Keyboard x 1, Mouse x 1
Universal Serial Bus	USB 2.0 x 8
Audio	Audio Jack x 3 (Mic-in, Line-in, Line-out)

Packing List

- TBD

Ordering Information

- TBD

Optional Accessories

- TBD